



MAJOR SOURCE OPERATING PERMIT

Permittee: **BFGoodrich Tire Manufacturing**

Facility Name: **BFGoodrich Tire Manufacturing**

Facility No.: 413-0024

Location: Tuscaloosa, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol. and 2007 Cum. Supp.), and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date: *October 13, 2015*

Effective Date: *September 1, 2015*

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General Permit Provisos

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<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5.</p>	<p>Rule 335-3-16-.02(6)</p>
<p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p>	<p>Rule 335-3-16-.12(2)</p>
<p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p>	<p>Rule 335-3-16-.05(e)</p>
<p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	<p>Rule 335-3-16-.05(f)</p> <p>Rule 335-3-16-.05(g)</p>

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<p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p> <p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p> <p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p> <p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p> <p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	<p>Rule 335-3-16-.05(h)</p> <p>Rule 335-3-16-.05(i)</p> <p>Rule 335-3-16-.05(j)</p> <p>Rule 335-3-16-.05(k)</p> <p>Rule 335-3-16-.07(a)</p>

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<p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. 	<p>Rule 335-3-16-.07(b)</p>
<p>11. <u>Compliance Provisions</u></p> <ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. 	<p>Rule 335-3-16-.07(c)</p>
<p>12. <u>Compliance Certification</u></p> <p>A compliance certification shall be submitted on or before October 30th of each calendar year and shall cover the period between September 1st of the previous year and August 31st of the current year.</p> <ul style="list-style-type: none"> (a) The compliance certification shall include the following: <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; 	<p>Rule 335-3-16-.07(e)</p>

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<p>(2) The compliance status;</p> <p>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements);</p> <p>(4) Whether compliance has been continuous or intermittent;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="padding-left: 80px;">and to:</p> <p style="padding-left: 40px;">Air and EPCRA Enforcement Branch EPA Region IV 61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p>	<p>Rule 335-3-16-.13(5)</p>

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<p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	
<p>14. <u>Additional Rules and Regulations</u></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period. 	<p>Rule 335-3-1-.07(1), (2)</p>

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<p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	
<p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>Rule 335-3-1-.08</p>
<p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <p>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;</p>	<p>Rule 335-3-4-.02</p>

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<p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p> <p>(3) By paving;</p> <p>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions;</p> <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.</p>	
<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>Rule 335-3-16-.13 and .14</p>
<p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <p>(1) The date, place, and time of all sampling or measurements;</p> <p>(2) The date analyses were performed;</p> <p>(3) The company or entity that performed the analyses;</p> <p>(4) The analytical techniques or methods used;</p> <p>(5) The results of all analyses; and</p> <p>(6) The operating conditions that existed at the time of sampling or measurement.</p> <p>Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p>	<p>Rule 335-3-16-.05(c)2.</p>

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<p>21. <u>Reporting Requirements</u></p> <p>(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working day of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p>	<p>Rule 335-3-16-.05(c)3</p>
<p>22. <u>Emission Testing Requirements</u></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <p>(1) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</p> <p>(2) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning).</p>	<p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p> <p>Rule 335-3-1-.04</p>

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<p>(3) A description of the process(es) to be tested including the feed rate, any operating parameters used to control or influence the operations, and the rated capacity.</p> <p>(4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>Rule 335-3-1-.04</p>
<p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code r. 335-1-7-.04.</p>	<p>Rule 335-1-7-.04</p>
<p>24. <u>Other Reporting and Testing Requirements</u></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p>	<p>Rule 335-3-1-.04(1)</p>
<p>25. <u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p>	<p>40 CFR 82</p>

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<p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p>	
<p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <ul style="list-style-type: none"> (a) The owner or operator shall comply with the provisions in 40 CFR Part 68. (b) The owner or operator shall submit one of the following: <ul style="list-style-type: none"> (1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or, (2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan. 	<p>40 CFR Part 68</p>
<p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will be made readily available for inspection by any or all persons who may request to see it.</p>	<p>Rule 335-3-14-.01(1)(d)</p>
<p>28. <u>Circumvention</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	<p>Rule 335-3-1-.10</p>
<p>29. <u>Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>	<p>Rule 335-3-4-.01(1)</p>

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30. <u>Fuel-Burning Equipment</u>	
(a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.	Rule 335-3-4-.03
(b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.	Rule 335-3-5-.01
31. <u>Process Industries – General</u>	
Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.	Rule 335-3-4-.04
32. <u>Averaging Time for Emission Limits</u>	
Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.	Rule 335-3-1-.05
33. <u>Emissions Inventory Reporting Requirements</u>	
In order to meet the statewide emissions inventory reporting requirements under 40 CFR 51, Appendix A, the permittee shall comply with the reporting requirements under ADEM Admin. Code r. 335-3-1-.15.	Rule 335-3-1-.15

Summary Page for Mixing

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU001	Mixing Lines No. 1, No. 2, No. 7, No. 8 with Carbon Black Transfer System controlled by Baghouses and Filters	PM	$E=17.31P^{0.16}$	ADEM Admin. Code r. 335-3-4-.04(1)
	Mixing Line No. 9	PM	Lesser of: $E=17.31P^{0.16}$ or 3.42 lb/hr	ADEM Admin. Code r. 335-3-4-.04(1) or ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
		VOC (from silane usage)	38 TPY	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
		Opacity	20% (6-minute average)	ADEM Admin Code r. 335-3-4-.01(1)(a)&(b)
		HAP	N/A	40 CFR 63 Subpart XXXX

Provisos for Mixing

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<u>Applicability</u>	
1. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	ADEM Admin. Code r. 335-3-16-.03
2. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.04(1), “ <i>Control of Particulate Emissions for Process Industries – General</i> ” as described in General Proviso No. 31.	ADEM Admin. Code r. 335-3-4-.04(1)
3. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), “ <i>Control of Particulate Emissions – Visible Emissions</i> ” as described in General Proviso No. 29.	ADEM Admin. Code r. 335-3-4-.01(1)
4. Mixing Line No. 9 has enforceable limits in place in order to prevent them from being subject to the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, “ <i>Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]</i> ”.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
5. These units are subject to the applicable provisions of 40 CFR 63 Subpart XXXX, “ <i>National Emissions Standards for Hazardous Air Pollutants for Rubber Tire Manufacturing</i> ”.	40 CFR 63 Subpart XXXX §63.5982(b)(4)
6. These units are subject to the applicable provisions of 40 CFR 63 Subpart A, “ <i>General Provisions</i> ”.	40 CFR 63 Subpart XXXX §63.6013 – Table 17
<u>Emission Standards</u>	
1. Visible emissions (VE) these units shall not exceed the opacity limitations as specified in General Proviso No. 29.	ADEM Admin. Code r. 335-3-4-.01(1)
2. Particulate matter (PM) emissions from F1, F2, F3, F6, F7, F8, F11, F12, F13, F14, F91, F92, F93, F100, F200, F911, -913, and F921-923 shall not exceed the limitations as specified in General Proviso No. 31.	ADEM Admin. Code r. 335-3-4-.04(1)
3. Particulate matter (PM) emissions from Mixing Line No. 9 (F91, F92, F93, F911, F912-F913, F921, F922, F923, F100, F20) shall not exceed 3.42 lb/hr.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
4. Volatile Organic Compound (VOC) emissions associated with the use of silane shall not exceed 38 tons during any consecutive twelve (12) month period.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD

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<p><u>Compliance and Performance Test Methods and Procedures</u></p> <ol style="list-style-type: none"> 1. Method 5 of 40 CFR 60, Appendix A, shall be used in the determination of particulate matter emissions (PM). 2. Method 9 of 40 CFR 60, Appendix A, shall be used in the determination of visible emissions (VE). 3. Method 25A 40 CFR 60, Appendix A, shall be used in the determination of volatile organic compound emissions. 	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><u>Emission Monitoring</u></p> <ol style="list-style-type: none"> 1. Visible emission observation shall be monitored and recorded weekly while each unit is in operation, if the observed instantaneous opacity is greater than ten (10%) percent, a visible emissions observation shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes. 2. Pressure drop (ΔP) across each baghouse shall be monitored and recorded daily while the units are operating. If the observed pressure drop (ΔP) is less than one-half (0.5) inch of water or greater than fifteen (15) inches of water, corrective action shall be initiated within two (2) hours. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p>
<p><u>Recordkeeping and Reporting Requirements</u></p> <ol style="list-style-type: none"> 1. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request. 2. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request. 3. Records documenting daily pressure drop (ΔP) readings, and any corrective actions taken during each pressure drop (ΔP) excursion shall be kept in a permanent form suitable for 	<p>ADEM Admin. Code r. 335-3-16-.05(c)(2)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(2)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(2)</p>

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inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.

4. A semi-annual monitoring report shall be submitted to the Department according to the following schedule:

Reporting Period	Date Due
September 1 st through February 28 th or 29 th	April 29 th
March 1 st through August 31 st	October 30 th

5. Each semi-annual monitoring report shall contain the following:

- (a) A detailed description of every instance in which visible emissions greater than ten (10%) percent opacity were observed, to include the date, time, cause of the visible emissions excursion, and the corrective action taken.
- (b) A copy of every ADEM visible emissions observation report generated during the reporting period.
- (c) A description of every instance in which pressure the observed pressure drop was less than one-half (0.5) inch of water and greater than fifteen (15) inches of water, to include time, date, observed pressure drop, cause of the pressure drop excursion, and the corrective action taken.
- (d) A statement certifying that all required monitoring, recordkeeping, and reporting requirements were accomplished as required.

ADEM Admin. Code r.
335-3-16-.05(c)(3)

ADEM Admin. Code r.
335-3-16-.05(c)(3)

Summary Page for Rubber Preparation (Extruding, Calendering, Milling, Cutting)

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU002	Rubber Preparation	VOC	N/A	N/A
		HAP	N/A	N/A

Provisos for Rubber Preparation (Extruding, Calendering, Milling, Cutting)

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	ADEM Admin. Code r. 335-3-16-.03
2. The tire production processes that use or process cements and solvents are subject to the applicable provisions of 40 CFR 63 Subpart XXXX, “ <i>National Emissions Standards for Hazardous Air Pollutants for Rubber Tire Manufacturing</i> ”.	40 CFR 63 Subpart XXXX §63.5982(b)(4)
3. The tire production processes that use or process cements and solvents are subject to the applicable provisions of 40 CFR 63 Subpart A, “ <i>General Provisions</i> ”.	40 CFR 63 Subpart XXXX §63.6013 – Table 17
<u>Emission Standards</u>	
1. There are no unit specific emissions standards for these units.	N/A
<u>Compliance and Performance Test Methods and Procedures</u>	
1. If testing is required, volatile organic compound (VOC) emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 25A.	ADEM Admin. Code r. 335-3-1-.05
<u>Emission Monitoring</u>	
1. There are no unit specific emission monitoring requirements for these units.	N/A
<u>Recordkeeping and Reporting Requirements</u>	
1. There are no unit specific emission recordkeeping and reporting requirements for these units.	N/A

Summary Page for Tread End Cementing and Marking

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU003	Tread End Cementing and Centerline Marking Lines No. 1 and No. 2	VOC	10 grams/tread And 131.2 TPY	40 CFR 60 Subpart BBB §60.542(a)(3) And ADEM Amin. Code 335-3-14-.04 (Anti-PSD)
		Listed HAP	1,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
		Non-Listed HAP	10,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1

Provisos for Tread End Cementing and Marking

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	ADEM Admin. Code r. 335-3-16-.03
2. These units have enforceable limits in place in order to prevent them from being subject to the applicable provisions of ADEM Admin. Code r. 335-3-14-.04, “ <i>Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]</i> ”.	ADEM Admin. Code r. 335-3-14-.04
3. The tread end cementing portions of these units are subject to the applicable provisions of 40 CFR 60 Subpart BBB, “ <i>Standards of Performance for the Rubber Tire Manufacturing Industry</i> .”	40 CFR 60 Subpart BBB §60.540
4. The tread end cementing portions of these units are subject to the applicable provisions of 40 CFR 60 Subpart A, “ <i>General Provisions</i> ”.	40 CFR 60 Subpart BBB
5. These units are subject to the applicable provisions of 40 CFR 63 Subpart XXXX, “ <i>National Emissions Standards for Hazardous Air Pollutants for Rubber Tire Manufacturing</i> ”.	40 CFR 63 Subpart XXXX §63.5982(b)(1)
6. These units are subject to the applicable provisions of 40 CFR 63 Subpart A, “ <i>General Provisions</i> ”.	40 CFR 63 Subpart XXXX §63.6013 – Table 17
<u>Emission Standards</u>	
1. Volatile Organic Compound (VOC) emissions from the tread end cementers shall not exceed ten (10) grams per tread during each calendar month.	40 CFR 60 Subpart BBB §60.542(a)(3)
2. No more than a total of 131.2 tons of VOC shall be emitted from these units during any consecutive twelve month period.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
3. Emissions of each HAP listed in Table 16 of 40 CFR 63 Subpart XXXX shall not exceed 1,000 grams of HAP per megagram (2 lb/ton) of total cements and solvents used.	40 CFR 63 Subpart XXXX Table 1 – Option 1
4. Emissions of each HAP not listed in Table 16 of 40 CFR 63 Subpart XXXX shall not exceed 10,000 grams of HAP per megagram (2 lb/ton) of total cements and solvents used.	40 CFR 63 Subpart XXXX Table 1 – Option 1
<u>Compliance and Performance Test Methods and Procedures</u>	

Federally Enforceable Provisos	Regulations
<p>1. If water based cements containing less than 1.0 percent VOC (by weight) are used in the tread end cementing operation, formulation data or the results of Method 24 analyses shall be submitted to the Department annually, provided that the formula has not changed during the previous twelve (12) months.</p> <p>2. If water based cements containing 1.0 percent VOC (by weight) or more are used in the tread end cementing operation, then the following procedure shall be used to determine compliance with the VOC emission limit per tire:</p> <p>(a) Determine the density and weight fraction of VOC in each cement from its formulation data or by analysis of the cement using Method 24</p> <p>(b) Calculate the total mass of VOC used at the affected facility for the month (M_o) using the following equation:</p> $M_o = \sum_{i=1}^a L_{c(i)} \times D_{c(i)} \times W_{o(i)}$ <p>Where: a = the different number of cements used during the month L_c = volume of cement used during the for a month D_c = density of cement used W_o = weight fraction of VOC in a cement</p> <p>(c) Determine the total number of tires (T_o) cemented for the month</p> <p>(d) Calculate the mass of VOC used per tire cemented for the month (G) using the following equation:</p> $G = \frac{M_o}{T_o}$ <p>(e) Calculate the mass of VOC emitted per tire cemented for the month (N):</p> $N = G$	<p>40CFR 60 Subpart BBB §60.543(b)(4)</p> <p>40 CFR 60 Subpart BBB §60.543(d)(1)(2)(3)(i)(ii)(iii)(4)(5)</p>
<p>3. Method 311 of 40 CFR 63 Appendix A or supplier formulation data or shall be used in the determination of HAP content in any cement or solvent used in this process.</p> <p>4. In order to demonstrate compliance with the HAP constituent emission limits in Option 1 of Table 1, the following procedures shall be used:</p>	<p>40 CFR 63 Subpart XXXX §63.5994(a)) 40 CFR 63 Subpart XXXX §63.5994(b)</p>

Federally Enforceable Provisos	Regulations
<p>(a) Determine the mass percent of each HAP in each cement and solvent used in this process.</p> <p>(b) Calculate the HAP emission rate for each monthly operating period using the following equation:</p> $E_{month} = \frac{\left[\sum_{i=1}^n (HAP_i)(TMASS_i) \right] (10^6)}{\sum_{i=1}^n TMASS_i}$ <p>Where:</p> <p>E_{month} = mass of specific HAP emitted per total mass cements and solvents form all cements and solvents used in tire production per month (g/Mg)</p> <p>HAP_i = mass percent of the specific HAP in cement and solvent “i” as purchased</p> <p>$TMASS_i$ = total mass of cement and solvent “i” used in the month (g)</p> <p>n = number of cements and solvents used during the month</p>	
<p><u>Emission Monitoring</u></p>	
<p>1. Emissions from these units shall be monitored through recordkeeping practices.</p>	<p>N/A</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. Records of VOC content of any cements or sprays used in this process shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(2)</p>
<p>2. Records summarizing the monthly and twelve (12) month rolling total of VOC emissions from these units shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(2)</p>
<p>3. Monthly and updated twelve (12) month VOC emissions records shall be compiled no later than the tenth (10th) day of the month following each monthly reporting period.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(2)</p>
<p>4. During any month, twelve (12) month period, or other compliance</p>	<p>ADEM Admin. Code r.</p>

Federally Enforceable Provisos**Regulations**

period during which there is an exceedance of the VOC emission limit, the Department shall be notified in writing within ten (10) days of determining the exceedance. The notification shall include the following:

- (a) Dates covered during the reporting period;
- (b) Amount of VOC used during the reporting period;
- (c) Amount of VOC emitted during the reporting period;
- (d) Description of the cause of the exceedance; and
- (e) Description of any corrective action taken.

5. A semi-annual Subpart BBB report shall be submitted to the Department according the following schedule:

Reporting Period	Date Due
September 1 st through February 28 th or 29 th	April 29 th
March 1 st through August 31 st	October 30 th

6. Each semi-annual Subpart BBB report shall include the following:

- (a) Facility name and address;
- (b) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report as outlined in General Proviso No. 9;
- (c) Date of report and beginning and ending dates of the reporting period;
- (d) A detailed description of each monthly average VOC emission rate that exceeds the VOC emission limit;
- (e) If no exceedance occurred during the reporting period, a statement that were no deviations from the emission limitations.

7. Records of HAP content of any cements or sprays used in this process shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5)

335-3-16-.05(c)(2)

40 CFR 60
Subpart BBB
§60.546(f)

40 CFR 60
Subpart BBB
§60.546(f)

40 CFR 63 Subpart
XXXX
Table 9

Federally Enforceable Provisos**Regulations**

years from the date of generation.

8. Records summarizing the mass of each cement and solvent used during each monthly reporting period shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

40 CFR 63 Subpart
XXXX

Table 9

9. Records of all data and calculations used to determine the monthly average mass percent of each HAP in each cement or solvent used during each monthly reporting period shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

40 CFR 63 Subpart
XXXX

Table 9

10. Records summarizing the monthly HAP emissions from these units shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

40 CFR 63 Subpart
XXXX

Table 9

11. Monthly HAP emissions calculations shall be compiled no later than the tenth (10th) day of the month following each monthly reporting period.

ADEM Admin. Code r.
335-3-16-.05(c)(2)

12. A semi-annual Subpart XXXX report shall be submitted to the Department according the following schedule:

40 CFR 63 Subpart
XXXX

§63.6010(b)(3) and (4)

Reporting Period	Date Due
September 1 st through February 28 th or 29 th	April 29 th
March 1 st through August 31 st	October 30 th

13. Each semi-annual Subpart XXXX report shall include the following:

40 CFR 63 Subpart
XXXX

§63.6010(c) and (d)

(a) Facility name and address;

(b) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report as outlined in General Proviso No. 9;

(c) Date of report and beginning and ending dates of the reporting period;

(d) If no deviations occurred during the reporting period, a statement that there were no deviations from the emission

Federally Enforceable Provisos	Regulations
<p>limitations;</p> <p>(e) The emission limit option and compliance alternative method chosen;</p> <p>(f) If deviations occurred during the reporting period, the report must contain the following information:</p> <p>(i) Total operating time of each affected source during the reporting period;</p> <p>(ii) A statement of the cause of each deviation;</p> <p>(iii) A description of any corrective action initiated and completed</p> <p>14.If notification is received by the Department indicating that the facility has eliminated or reformulated cement and solvent so that the source can demonstrate compliance using the purchase alternative method in §63.5985(a), future compliance reports for this unit may be submitted annually.</p>	<p>40 CFR 63 Subpart XXXX §63.6010(f)</p>

Summary Page for Tire Building

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU004	1 st and 2 nd Stage Tire Building and Decomplexing (includes recoup oven)	VOC	N/A	N/A
		Listed HAP	1,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1
		Non-Listed HAP	10,000 g/Mg	40 CFR 63 Subpart XXXX – Table No. 1

Provisos for Tire Building

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	ADEM Admin. Code r. 335-3-16-.03
2. These units are subject to the applicable provisions of 40 CFR 63 Subpart XXXX, “ <i>National Emissions Standards for Hazardous Air Pollutants for Rubber Tire Manufacturing</i> ”.	40 CFR 63 Subpart XXXX §63.5982(b)(1)
3. These units are subject to the applicable provisions of 40 CFR 63 Subpart A, “ <i>General Provisions</i> ”.	40 CFR 63 Subpart XXXX §63.6013 – Table 17
<u>Emission Standards</u>	
1. Emissions of each HAP listed in Table 16 of 40 CFR 63 Subpart XXXX shall not exceed 1,000 grams of HAP per megagram (2 lb/ton) of total cements and solvents used.	40 CFR 63 Subpart XXXX Table 1 – Option 1
2. Emissions of each HAP not listed in Table 16 of 40 CFR 63 Subpart XXXX shall not exceed 10,000 grams of HAP per megagram (20 lb/ton) of total cements and solvents used	40 CFR 63 Subpart XXXX Table 1 – Option 1
<u>Compliance and Performance Test Methods and Procedures</u>	
1. Method 311 of 40 CFR 63 Appendix A or supplier formulation data or shall be used in the determination of HAP content in any cement or solvent used in this process.	40 CFR 63 Subpart XXXX §63.5994(a))
2. In order to demonstrate compliance with the HAP constituent emission limits in Option 1 of Table 1, the following procedures shall be used:	40 CFR 63 Subpart XXXX §63.5994(b)(1)(2)
(a) Determine the mass percent of each HAP in each cement and solvent used in this process.	
(b) Calculate the HAP emission rate for each monthly operating period using the following equation:	
$E_{month} = \frac{\left[\sum_{i=1}^n (HAP_i)(TMASS_i) \right] (10^6)}{\sum_{i=1}^n TMASS_i}$	

Federally Enforceable Provisos	Regulations
<p>Where:</p> <p>E_{month} = mass of specific HAP emitted per total mass cements and solvents form all cements and solvents used in tire production per month (g/Mg)</p> <p>HAP_i = mass percent of the specific HAP in cement and solvent “i” as purchased</p> <p>$TMASS_i$ = total mass of cement and solvent “i” used in the month (g)</p> <p>n = number of cements and solvents used during the month</p>	
<p><u>Emission Monitoring</u></p> <p>1. Emissions from these units shall be monitored through recordkeeping practices.</p>	<p>N/A</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. Records of HAP content of any cements or sprays used in this process shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p>	<p>40 CFR 63 Subpart XXXX Table 9</p>
<p>2. Records summarizing the mass of each cement and solvent used during each monthly reporting period shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p>	<p>40 CFR 63 Subpart XXXX Table 9</p>
<p>3. Records of all data and calculations used to determine the monthly average mass percent of each HAP in each cement or solvent used during each monthly reporting period shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p>	<p>40 CFR 63 Subpart XXXX Table 9</p>
<p>4. Records summarizing the monthly HAP emissions from these units shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p>	<p>40 CFR 63 Subpart XXXX Table 9</p>

Federally Enforceable Provisos		Regulations						
5. Monthly HAP emissions calculations shall be compiled no later than the tenth (10 th) day of the month following each monthly reporting period.		ADEM Admin. Code r. 335-3-16-.05(c)(2)						
6. A semi-annual Subpart XXXX report shall be submitted to the Department according the following schedule:		40 CFR 63 Subpart XXXX						
<table><tr><th>Reporting Period</th><th>Date Due</th></tr><tr><td>September 1st through February 28th or 29th</td><td>April 29th</td></tr><tr><td>March 1st through August 31st</td><td>October 30th</td></tr></table>		Reporting Period	Date Due	September 1 st through February 28 th or 29 th	April 29 th	March 1 st through August 31 st	October 30 th	§63.6010(b)(3) and (4)
Reporting Period	Date Due							
September 1 st through February 28 th or 29 th	April 29 th							
March 1 st through August 31 st	October 30 th							
7. Each semi-annual Subpart XXXX report shall include the following: (a) Facility name and address; (b) Statement by a responsible official with that official’s name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report as outlined in General Proviso No. 9; (c) Date of report and beginning and ending dates of the reporting period; (d) If no deviations occurred during the reporting period, a statement that were no deviations from the emission limitations; (e) The emission limit option and compliance alternative method chosen; (f) If deviations occurred during the reporting period, the report must contain the following information: (i) Total operating time of each affected source during the reporting period; (ii) A statement of the cause of each deviation; (iii) A description of any corrective action initiated and completed.		40 CFR 63 Subpart XXXX §63.6010(c) and (d)						
8. If notification is received by the Department indicating that the facility has eliminated or reformulated cement and solvent so that the source can demonstrate compliance using the purchase alternative method in §63.5985(a), future compliance reports for this unit may be submitted annually.		40 CFR 63 Subpart XXXX §63.6010(f)						

Summary Page for Curing

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU005	Curing Presses and Green Tire Spraying Units 1, 4, 5, 6 and STS unit	VOC	1.0% by weight (<i>Green Tire Spray</i>)	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD) And 40 CFR 60 Subpart BBB §60.543(b)
		VOC	1.2 grams (0.0026 lb) of VOC per tire sprayed each month (<i>Inside Green Tire Spray</i>)	40 CFR 60 Subpart BBB §60.543(b)(i)
		VOC	9.3 grams (0.021 lb) of VOC per tire sprayed each month (<i>Outside Green Tire Spray</i>)	40 CFR 60 Subpart BBB §60.543(b)(ii)
		Listed HAP	1,000 g/Mg (<i>Green Tire Sprayers Only</i>)	40 CFR 63 Subpart XXXX – Table No. 1
		Non-Listed HAP	10,000 g/Mg (<i>Green Tire Sprayers Only</i>)	40 CFR 63 Subpart XXXX – Table No. 1
		PM	$E = 3.59P^{0.62}$ ($P < 30$ TPH) Or $E = 17.31P^{0.16}$ ($P \geq 30$ TPH)	ADEM Admin. Code r. 335-3-4-.04(1)

Provisos for Curing

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	ADEM Admin. Code r. 335-3-16-.03
2. These units are subject to ADEM Admin. Code r. 335-3-4-.04(1), “ <i>Control of Particulate Emissions for Process Industries – General</i> ”.	ADEM Admin. Code r. 335-3-4-.04(1)
3. These units are subject to ADEM Admin. Code r. 335-3-4-.01(1), “ <i>Control of Particulate Emissions – Visible Emissions</i> ”.	ADEM Admin. Code r. 335-3-4-.01(1)
4. This unit has enforceable limits in place in order to prevent them from being subject to the applicable provisions of ADEM Admin. Code r. 335-3-14-.04. “ <i>Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]</i> ”.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
5. The Green Tire Sprayers are subject to the applicable provisions of 40 CFR 60 Subpart BBB, “ <i>Standards of Performance for the Rubber Tire Manufacturing Industry</i> .”	40 CFR 60 Subpart BBB §60.540(a)
6. The green tire sprayers are subject to the applicable provisions of 40 CFR 60 Subpart A, “ <i>General Provisions</i> ”.	40 CFR 60 Subpart BBB
7. The green tire sprayers are subject to the applicable provisions of 40 CFR 63 Subpart XXXX, “ <i>National Emissions Standards for Hazardous Air Pollutants for Rubber Tire Manufacturing</i> ”.	40 CFR 63 Subpart XXXX §63.5982(b)(1)
8. The green tire sprayers are subject to the applicable provisions of 40 CFR 63 Subpart A, “ <i>General Provisions</i> ”.	40 CFR 63 Subpart XXXX §63.6013 – Table 17
<u>Emission Standards</u>	
1. Emissions of each HAP listed in Table 16 of 40 CFR 63 Subpart XXXX shall not exceed 1,000 grams of HAP per megagram (2lb/ton) of total cements and solvents used.	40 CFR 63 Subpart XXXX Table 1 – Option 1
2. Emissions of each HAP not listed in Table 16 of 40 CFR 63 Subpart XXXX shall not exceed 10,000 grams of HAP per megagram (20 lb/ton) of total cements and solvents used	40 CFR 63 Subpart XXXX Table 1 – Option 1
3. Volatile Organic Compound (VOC) content of the green tire spray shall not exceed 1.0% by weight.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD

Federally Enforceable Provisos	Regulations
<p>4. Volatile Organic Compound (VOC) emissions from each inside green tire spraying operation where only water-based sprays are used shall not exceed 1.2 grams (0.0026 lb) of VOC per tire sprayed each month.</p> <p>5. Volatile Organic Compound (VOC) emissions from each inside green tire spraying operation where only water-based sprays are used shall not exceed 9.3 grams (0.021 lb) of VOC per tire sprayed each month.</p> <p>6. Visible emissions (VE) these units shall not exceed the opacity limitations as specified in General Proviso No. 29.</p> <p>7. Particulate matter (PM) emissions from these units shall not exceed the limitations as specified in General Proviso No. 31.</p>	<p>40 CFR 60 Subpart BBB §60.542(a)(5)(i)</p> <p>40 CFR 60 Subpart BBB §60.542(a)(5)(ii)</p> <p>ADEM Admin. Code r. 335-3-4-.01(1)</p> <p>ADEM Admin. Code r. 335-3-4-.04(1)</p>
<p><u>Compliance and Performance Test Methods and Procedures</u></p> <p>1. Formulation data or the results of Method 24 analyses for the water based sprays containing less than 1.0 percent VOC (by weight) shall be submitted to the Department annually, provided that the formula has not changed during the previous twelve (12) months.</p> <p>2. Method 311 of 40 CFR 63 Appendix A or supplier formulation data or shall be used in the determination of HAP content in any cement or solvent used in this process.</p> <p>3. In order to demonstrate compliance with the HAP constituent emission limits in Option 1 of Table 1, the following procedures shall be used:</p> <p>(a) Determine the mass percent of each HAP in each cement and solvent used in this process.</p> <p>(b) Calculate the HAP emission rate for each monthly operating period using the following equation:</p> $E_{month} = \frac{\left[\sum_{i=1}^n (HAP_i)(TMASS_i) \right] (10^6)}{\sum_{i=1}^n TMASS_i}$	

Federally Enforceable Provisos	Regulations
<p>Where:</p> <p>E_{month} = mass of specific HAP emitted per total mass cements and solvents form all cements and solvents used in tire production per month (g/Mg)</p> <p>HAP_i = mass percent of the specific HAP in cement and solvent “i” as purchased</p> <p>$TMASS_i$ = total mass of cement and solvent “i” used in the month (g)</p> <p>n = number of cements and solvents used during the month</p> <p>4. Method 5 of 40 CFR 60, Appendix A, shall be used in the determination of particulate matter emissions (PM).</p> <p>5. Method 9 of 40 CFR 60, Appendix A, shall be used in the determination of visible emissions (VE).</p>	<p></p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><u>Emission Monitoring</u></p> <p>1. Emissions from these units shall be monitored through recordkeeping practices.</p>	<p>N/A</p>
<p><u>Recordkeeping and Reporting Requirements</u></p> <p>1. Records of VOC content of any sprays used in this process shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p> <p>2. Green Tire Spray formulation data shall be submitted to the Department within sixty (60) days of end of each calendar year, provided that the spray formulation has not changed in the previous twelve (12) months.</p> <p>3. If the spray formulation changes before the end of the annual twelve (12) month reporting period, formulation data or Method 24 analysis results shall be reported to the Department within thirty (30) days of the change.</p> <p>4. During any month, twelve (12) month period, or other compliance period during which there is an exceedance of the green tire spray VOC emission limit, the Department shall be notified in writing within ten (10) days of determining the exceedance. The notification shall include the following:</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(2))</p> <p>40CFR 60 Subpart BBB §60.546(j)</p> <p>40CFR 60 Subpart BBB §60.546(j)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(2))</p>

Federally Enforceable Provisos**Regulations**

- (a) Dates covered during the reporting period;
- (b) Amount of VOC used during the reporting period;
- (c) Amount of VOC emitted during the reporting period;
- (d) Description of the cause of the exceedance; and
- (e) Description of any corrective action taken.
5. Records of HAP content of any sprays used in this process shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.
6. Records summarizing the mass of each spray used during each monthly reporting period shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.
7. Records of all data and calculations used to determine the monthly average mass percent of each HAP in each cement or solvent used during each monthly reporting period shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.
8. Records summarizing the monthly HAP emissions from these units shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.
9. Monthly HAP emissions calculations shall be compiled no later than the tenth (10th) day of the month following each monthly reporting period.
10. A semi-annual Subpart XXXX report shall be submitted to the Department according to the following schedule:

40 CFR 63 Subpart
XXXX

Table 9

40 CFR 63 Subpart
XXXX

Table 9

40 CFR 63 Subpart
XXXX

Table 9

40 CFR 63 Subpart
XXXX

Table 9

ADEM Admin. Code r.
335-3-16-.05(c)(2)40 CFR 63 Subpart
XXXX

§63.6010(b)(3) and (4)

Reporting Period	Date Due
September 1 st through February 28 th or 29 th	April 29 th
March 1 st through August 31 st	October 30 th

Federally Enforceable Provisos	Regulations
<p>11. Each semi-annual Subpart XXXX report shall contain the following:</p> <ul style="list-style-type: none"> (a) Facility name and address; (b) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report as outlined in General Proviso No. 9; (c) Date of report and beginning and ending dates of the reporting period; (d) If no deviations occurred during the reporting period, a statement that there were no deviations from the emission limitations; (e) The emission limit option and compliance alternative method chosen; (f) If deviations occurred during the reporting period, the report must contain the following information: <ul style="list-style-type: none"> (i) Total operating time of each affected source during the reporting period; (ii) A statement of the cause of each deviation; (iii) A description of any corrective action initiated and completed. 	<p>40 CFR 63 Subpart XXXX</p> <p>§63.6010(c) and (d)</p>
<p>12. If notification is received by the Department indicating that the facility has eliminated or reformulated cement and solvent so that the source can demonstrate compliance using the purchase alternative method in §63.5985(a), future compliance reports for this unit may be submitted annually.</p>	<p>40 CFR 63 Subpart XXXX</p> <p>§63.6010(f)</p>

Summary Page for Finishing

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8,760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
EU006	Nineteen (19) C-Modules Controlled by Nineteen (19) Cyclones, Tire Repair Station, and R1 Repair Buffing	VOC	N/A	N/A
		Listed HAP	1,000 g/Mg (Tire Painting Only)	40 CFR 63 Subpart XXXX – Table No. 1
		Non-Listed HAP	10,000 g/Mg (Tire Painting Only)	40 CFR 63 Subpart XXXX – Table No. 1
		PM	$E = 3.59P^{0.62}$ (P<30 TPH) Or $E = 17.31P^{0.16}$ (P≥30 TPH)	ADEM Admin. Code r. 335-3-4-.04(1)

Provisos for Finishing

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	ADEM Admin. Code r. 335-3-16-.03
2. These units are subject to ADEM Admin. Code r. 335-3-4-.04(1), “ <i>Contrtol of Particulate Emissions for Process Industries – General</i> ”.	ADEM Admin. Code r. 335-3-4-.04(1)
3. These units are subject to ADEM Admin. Code r. 335-3-4-.01(1), “ <i>Contrtol of Particulate Emissions – Visible Emissions</i> ”.	ADEM Admin. Code r. 335-3-4-.01(1)
4. The tire painting operation is subject to the applicable provisions of 40 CFR 63 Subpart XXXX, “ <i>National Emissions Standards for Hazardous Air Pollutants for Rubber Tire Manufacturing</i> ”.	40 CFR 63 Subpart XXXX §63.5982(b)(1)
5. The tire painting operation is subject to the applicable provisions of 40 CFR 63 Subpart A, “ <i>General Provisions</i> ”.	40 CFR 63 Subpart XXXX §63.6013 – Table 17
<u>Emission Standards</u>	
1. Emissions of each HAP listed in Table 16 of 40 CFR 63 Subpart XXXX shall not exceed 1,000 grams of HAP per megagram (2 lb/ton) of total cements and solvents used.	40 CFR 63 Subpart XXXX §63.6010(c)
2. Emissions of each HAP not listed in Table 16 of 40 CFR 63 Subpart XXXX shall not exceed 10,000 grams of HAP per megagram (20 lb/ton) of total cements and solvents used	40 CFR 63 Subpart XXXX §63.6010(c)
3. Visible emissions (VE) these units shall not exceed the opacity limitations as specified in General Proviso No. 29.	ADEM Admin. Code r. 335-3-4-.01(1)
4. Particulate matter (PM) emissions from these units shall not exceed the limitations as specified in General Proviso No. 31.	ADEM Admin. Code r. 335-3-4-.04(1)
<u>Compliance and Performance Test Methods and Procedures</u>	
1. In order to demonstrate compliance with the HAP constituent emission limits in Option 1 of Table 1, the following procedures shall be used:	40 CFR 63 Subpart XXXX §63.5994(b)(1)(2)
(a) Determine the mass percent of each HAP in each cement and solvent used in this process.	
(b) Calculate the HAP emission rate for each monthly operating period using the following equation:	

Federally Enforceable Provisos	Regulations
$E_{month} = \frac{\left[\sum_{i=1}^n (HAP_i)(TMASS_i) \right] (10^6)}{\sum_{i=1}^n TMASS_i}$ <p>Where:</p> <p>E_{month} = mass of specific HAP emitted per total mass cements and solvents from all cements and solvents used in tire production per month (g/Mg)</p> <p>HAP_i = mass percent of the specific HAP in cement and solvent “i” as purchased</p> <p>$TMASS_i$ = total mass of cement and solvent “i” used in the month (g)</p> <p>n = number of cements and solvents used during the month</p> <ol style="list-style-type: none"> Method 5 of 40 CFR 60, Appendix A, shall be used in the determination of particulate matter emissions (PM). Method 9 of 40 CFR 60, Appendix A, shall be used in the determination of visible emissions (VE). <p><u>Emission Monitoring</u></p> <ol style="list-style-type: none"> The facility shall properly maintain the interlock system connected to the pressure drop gauge such that the system shuts down if the pressure drop is less than eleven (11) inches of H₂O and greater than twenty-two (22) inches of H₂O. The differential pressure gauge shall be calibrated at least annually. The facility shall inspect and clean each cyclone no less frequently than annually and whenever visible emissions are observed. <p><u>Recordkeeping and Reporting Requirements</u></p> <ol style="list-style-type: none"> Records documenting date of a shutdown of the system, cause of the shutdown, and any corrective actions required shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request. 	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(2)</p>

Federally Enforceable Provisos**Regulations**

2. A semi-annual monitoring report shall be submitted to the Department according the following schedule:

Reporting Period	Date Due
September 1 st through February 28 th or 29 th	April 29 th
March 1 st through August 31 st	October 30 th

3. Each semi-annual report shall contain the following information:

- (a) A description of every instance in which corrective action was required to be performed on any unit. This description shall include time, date, observed pressure drop, cause of the increased or decreased pressure drop, and the corrective action taken.
- (b) A statement certifying that all required monitoring, recordkeeping, and reporting requirements were accomplished as required.

4. Records of HAP content of any sprays used in this process shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

5. Records summarizing the mass of each spray used during each monthly reporting period shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

6. Records of all data and calculations used to determine the monthly average mass percent of each HAP in each cement or solvent used during each monthly reporting period shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

7. Records summarizing the monthly HAP emissions from these units shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.

8. Monthly HAP emissions calculations shall be compiled no later

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ADEM Admin. Code r.
335-3-16-.05(c)(3)

40 CFR 63 Subpart
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Table 9

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Federally Enforceable Provisos**Regulations**

than the tenth (10th) day of the month following each monthly reporting period.

9. A semi-annual Subpart XXXX report shall be submitted to the Department according to the following schedule:

Reporting Period	Date Due
September 1 st through February 28 th or 29 th	April 29 th
March 1 st through August 31 st	October 30 th

10. Each semi-annual Subpart XXXX report shall contain the following:

- (a) Facility name and address;
- (b) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report as outlined in General Proviso No. 9;
- (c) Date of report and beginning and ending dates of the reporting period;
- (d) If no deviations occurred during the reporting period, a statement that there were no deviations from the emission limitations;
- (e) The emission limit option and compliance alternative method chosen;
- (f) If deviations occurred during the reporting period, the report must contain the following information:
 - (i) Total operating time of each affected source during the reporting period;
 - (ii) A statement of the cause of each deviation;
 - (iii) A description of any corrective action initiated and completed

11. If notification is received by the Department indicating that the facility has eliminated or reformulated cement and solvent so that the source can demonstrate compliance using the purchase alternative method in §63.5985(a), future compliance reports for this unit may be submitted annually.

335-3-16-.05(c)(2)

40 CFR 63 Subpart XXXX

§63.6010(b)(3) and (4)

40 CFR 63 Subpart XXXX

§63.6010(c) and (d)

40 CFR 63 Subpart XXXX

§63.6010(f)

Summary Page for Boilers (Appendix A)

Permitted Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
See Appendix A	One (1) 63.4 MMBtu/hr Natural Gas, No. 2, No. 5, and No. 6 Fuel Oil Fired Boiler, Two (2) 80 MMBtu/hr natural Gas, No. 2, No.5, No. 6 Fuel Oil Fired Boilers	PM	$E = 1.38(H)^{-0.44}$	Rule 335-3-4-.03
See Appendix A	One (1) 63.4 MMBtu/hr Natural Gas, No. 2, No. 5, and No. 6 Fuel Oil Fired Boiler, Two (2) 80 MMBtu/hr natural Gas, No. 2, No.5, No. 6 Fuel Oil Fired Boilers	SO ₂	Natural Gas or 1.00% by weight when using fuel oil	Rule 335-3-14-.04 (Anti-PSD)
See Appendix A	One (1) 63.4 MMBtu/hr Natural Gas, No. 2, No. 5, and No. 6 Fuel Oil Fired Boiler, Two (2) 80 MMBtu/hr natural Gas, No. 2, No.5, No. 6 Fuel Oil Fired Boilers	NO _x	N/A	N/A
See Appendix A	One (1) 63.4 MMBtu/hr Natural Gas, No. 2, No. 5, and No. 6 Fuel Oil Fired Boiler, Two (2) 80 MMBtu/hr natural Gas, No. 2, No.5, No. 6 Fuel Oil Fired Boilers	CO	N/A	N/A
See Appendix A	One (1) 63.4 MMBtu/hr Natural Gas, No. 2, No. 5, and No. 6 Fuel Oil Fired Boiler, Two (2) 80 MMBtu/hr natural Gas, No. 2, No.5, No. 6 Fuel Oil Fired Boilers	VOC	N/A	N/A
See Appendix A	One (1) 63.4 MMBtu/hr Natural Gas, No. 2, No. 5, and No. 6 Fuel Oil Fired Boiler, Two (2) 80 MMBtu/hr natural Gas, No. 2, No.5, No. 6 Fuel Oil Fired Boilers	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for Boilers (Appendix A)

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating permits."	ADEM Admin. Code r. 335-3-16-.03
2. These sources have enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".	ADEM Admin. Code r. 335-3-14-.04 (anti-PSD)
3. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.01(1), " <i>Visible Emissions</i> ".	ADEM Admin. Code r. 335-3-4-.01(1)
4. These units are subject to the applicable requirements of ADEM Admin. Code r. 335-3-4-.03(1), " <i>Control of Particulate Emissions in Fuel Burning Equipment</i> " for a Class I County.	ADEM Admin. Code r. 335-3-4-.03(1)
5. These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart DDDDD, "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters".	40 CFR Part 63 Subpart DDDDD
6. These sources are subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 10 of Subpart DDDDD.	40 CFR Part 63 Subpart DDDDD
7. All new or reconstructed boilers (constructed or reconstructed after June 4, 2010) must be in compliance with the applicable requirements of 40 CFR Part 63 Subpart DDDDD by January 31, 2013 or upon startup of the boiler, whichever is later. See Appendix A.	40 CFR §63.7495(a)
8. All existing boilers (constructed before June 4, 2010) must be in compliance with the applicable requirements of 40 CFR Part 63 Subpart DDDDD no later than January 31, 2016. See Appendix A.	40 CFR §63.7495(b)
<u>Emission Standards</u>	
1. These units shall combust natural gas, No. 2 and No. 5 fuel oil only. The No. 2 fuel and No. 5 oil may only used for periodic testing, maintenance, or operator training, not to exceed a combined total of 48 hours during any calendar year or during periods of gas curtailment or gas supply interruptions of any duration. The sulfur content of the fuel shall not exceed 1.0% by weight.	ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD) & 40 CFR §63.7575

Federally Enforceable Provisos	Regulations
<ol style="list-style-type: none"> 2. The Permittee must operate and maintain these sources, at all times, in a manner consistent with safety and good air pollution control practices for minimizing emissions. 3. Visible emissions from these units shall not exceed the opacity limitations as specified in General Proviso No. 29. 4. Particulate matter (PM) emissions shall not exceed that which is calculated using the fuel burning equation in General Proviso No. 30. 5. The sulfur content of fuel oil burned in these boilers shall not exceed 1.00% by weight as determined by procedures found in ASTM D 129-64 or an equivalent method as approved by the Department. 	<p>40 CFR §63.7500(a)(3)</p> <p>Rule 335-3-4-.01(1)</p> <p>Rule 335-3-4-.03(1)</p> <p>ADEM Admin Code r. 335-3-14-.04 Anti-PSD</p>
<u>Compliance and Performance Test Methods and Procedures</u>	
<ol style="list-style-type: none"> 1. If testing is required, particulate emissions (PM) from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 5. 2. If testing is required, sulfur dioxide (SO₂) emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 6. 3. If testing is required, nitrogen oxide (NO_x) emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 7. 4. If testing is required, volatile organic compound (VOC) emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 25A. 5. If testing is required, carbon monoxide (CO) emissions from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 10. 6. If testing is required, visible emissions (VE) from this process shall be measured in accordance with 40 CFR Part 60, Appendix A, Method 9. 7. Sulfur content of fuel oil burned in these boilers shall be determined accordance with procedures found in ASTM-D 129-00 or fuel oil supplier certification. 	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<u>Emission Monitoring</u>	
<ol style="list-style-type: none"> 1. The Permittee must conduct a one-time energy assessment of each existing boiler (constructed before June 4, 2010) performed by a qualified energy assessor. The energy 	<p>40 CFR Part 63 Subpart DDDDD,</p>

Federally Enforceable Provisos	Regulations
<p>7. The sulfur content of fuel oil burned in these boilers shall be determined by fuel certifications provided by the fuel oil supplier or laboratory test results obtained by the permittee.</p> <p>8. If a boiler is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(1)</p> <p>40 CFR §63.7540(a)(13)</p>
<u>Recordkeeping and Reporting Requirements</u>	
<p>1. Records of the sulfur content of the fuel oil burned must be kept in a permanent form suitable for inspection. The records shall be maintained for at least five (5) years from the date of generation and shall be made available upon request.</p> <p>2. If utilized, fuel oil supplier certificates shall contain the name of the oil supplier and a statement from the oil supplier that the oil complies with the sulfur content limit, and shall be kept in a permanent form suitable for inspection for a period of five (5) years from the date of generation and shall be made available upon request.</p> <p>3. A semi-annual report summarizing the type and quantity of each fuel burned in this unit shall be submitted to the Department within sixty (60) days of the end of each semi-annual reporting period as determined by the anniversary dates of the permit. The semi-annual monitoring periods shall cover the following dates: September 1st through February 28th, and March 1st through August 31st of each calendar year. Each report shall include the following:</p> <ul style="list-style-type: none"> a) Calendar dates covered in the reporting period b) A tabulated summary of fuel oil sulfur contents determined by fuel oil supplier certification(s) or laboratory analyses; c) A statement of certification of truth, accuracy, and completeness as described in General Proviso No. 9; and d) Signature of the responsible official as required by General Proviso No. 9. <p>4. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(2)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(2)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(3)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)(2)</p>

Federally Enforceable Provisos	Regulations
<p>5. Records of the observation date, observation time, emission point designation, emission point operation mode, name of the observer, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.</p>	<p>ADEM Admin. Code r. 335-3-16-.05(c)(2)</p>
<p>6. A semi-annual monitoring report shall be submitted to the Department within sixty (60) days of the end of each semi-annual reporting period as determined by the anniversary dates of the permit. The semi-annual monitoring periods shall cover the following dates: September 1st through February 28th, and March 1st through August 31st of each calendar year. This report shall include the following:</p> <ul style="list-style-type: none"> a) Calendar dates covered in the reporting period; a) All visible emissions (VE) exceedances; b) A description of the cause of any exceedance; c) A description of any corrective action taken; d) A statement of certification of truth, accuracy, and completeness as described in General Proviso No. 9; and e) Signature of the responsible official as required by General Proviso No. 9. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)(3)</p>
<p>7. The Permittee must submit a biennial or 5-year compliance report as required by §63.7550(b).</p>	<p>40 CFR §63.7550(b)</p>

Summary Page for MACT Subpart ZZZZ – Existing Emergency Generators (Appendix B)

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
See Appendix B	Existing Emergency Generators (Subject to only Subpart ZZZZ)	PM	N/A	N/A
See Appendix B	Existing Emergency Generators (Subject to only Subpart ZZZZ)	SO ₂	N/A	N/A
See Appendix B	Existing Emergency Generators (Subject to only Subpart ZZZZ)	NO _x	N/A	N/A
See Appendix B	Existing Emergency Generators (Subject to only Subpart ZZZZ)	CO	N/A	N/A
See Appendix B	Existing Emergency Generators (Subject to only Subpart ZZZZ)	VOC	N/A	N/A
See Appendix B	Existing Emergency Generators (Subject to only Subpart ZZZZ)	Opacity	See General Provisos	Rule 335-3-4-.01(1)

Provisos for MACT Subpart ZZZZ – Existing Emergency Generators (Appendix B)

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits”.	Rule 335-3-16-.03
2. These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart ZZZZ, “National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE)”.	40 CFR Part 63 Subpart ZZZZ
3. These sources are subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 8 of Subpart ZZZZ.	40 CFR Part 63 Subpart ZZZZ
<u>Emission Standards</u>	
1. These units are subject to the applicable requirements listed in Table 2c of 40 CFR 63 Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.	40 CFR §63.6602
2. The Permittee must operate and maintain these units according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.	40 CFR §63.6625(e)(2)
3. The Permittee must install a non-resettable hour meter for each unit if one is not already installed.	40 CFR §63.6625(f)
4. These units may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of these units are limited to 100 hours per year. There is no time limit on the use of these units in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year . These units may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-	40 CFR §63.6640(f)(1)

Federally Enforceable Provisos	Regulations
<p>emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 63 Subpart ZZZZ, is prohibited.</p>	
<p><u>Compliance and Performance Test Methods and Procedures</u></p>	
<p>1. Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.</p>	<p>Rule 335-3-1-.05</p>
<p><u>Emission Monitoring</u></p>	
<p>1. The Permittee shall perform the following activities:</p> <ul style="list-style-type: none"> (a) Change oil and filter every 500 hours of operation or annually, whichever comes first; (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. <p>Or utilize an oil analysis program as described in §63.6625(i) or §63.6625(j).</p>	<p>40 CFR Part 63 Subpart ZZZZ Table 2c(1) & Table 2c(6) & §63.6625(i) & (j)</p>
<p>2. If an oil analysis program is utilized for a stationary compression ignition engine, the Permittee must perform the oil analysis at the same frequency specified above for changing the oil. The Permittee must at a minimum analyze the following parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new, viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new, or percent water content (by volume) is greater than 0.5. If any of the limits are exceed, the Permittee must change the oil within 2 business days of receiving the results of the analysis or before commencing operation, whichever is later.</p>	<p>40 CFR Subpart ZZZZ §63.6625(i)</p>

Federally Enforceable Provisos	Regulations
<p>3. If an oil analysis program is utilized for a stationary spark ignition engine, the Permittee must perform the oil analysis at the same frequency specified above for changing the oil. The Permittee must at a minimum analyze the following parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligram of potassium hydroxide (KOH) per gram from the Total Acid Number of the oil when new, viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new, or percent water content (by volume) is greater than 0.5. If any of the limits are exceed, the Permittee must change the oil within 2 business days of receiving the results of the analysis or before commencing operation, whichever is later.</p>	<p>40 CFR Subpart ZZZZ §63.6625(j)</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<p>1. The Permittee must keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.</p>	<p>40 CFR Subpart ZZZZ §63.6625(i) & (j)</p>
<p>2. The Permittee must keep records of the maintenance conducted on these units in order to demonstrate that you operated and maintained these units and after-treatment control device (if any) according to your own maintenance plan.</p>	<p>40 CFR §63.6655(e)</p>
<p>3. The Permittee must keep records of the hours of operation of each engine that is recorded through the non-resettable hour meter. The facility must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.</p>	<p>40 CFR §63.6655(f)</p>

Appendix A –Fuel Oil/Duel Fuel Boilers

Boiler Number	Rated Capacity (MMBtu/hr)
1	63.4
3	80.0
4	80.0

Appendix B – MACT Subpart ZZZZ – Existing Emergency Generators

<u>Source</u>	<u>HP</u>
Fire Water Loop (Diesel)	255
Air Compressor (Diesel)	238
80 KW Emergency Power Generator	107